

# AGENCY USE ONLY

Agency Reference #:

Date Received: 2-2-04

Circulated by:

(local govt. or agency)

## JOINT AQUATIC RESOURCES PERMIT APPLICATION FORM (JARPA)

(for use in Washington State)

**PLEASE TYPE OR PRINT IN BLACK INK**



- ☐ Application for a Fish Habitat Enhancement Project per requirements of RCW 77.55.290. You must submit a copy of this completed JARPA application form and the (Fish Habitat Enhancement JARPA Addition) to your local Government Planning Department and Washington Department of Fish & Wildlife Area Habitat Biologist on the same day.

**NOTE: LOCAL GOVERNMENTS – You must submit any comments on these projects to WDFW within 15 working days.**

Based on the instructions provided, I am sending copies of this application to the following: (check all that apply)

- ☒ Local Government for shoreline: ☐ Substantial Development ☐ Conditional Use ☐ Variance ☒ Exemption ☐ Revision  
☐ Floodplain Management ☐ Critical Areas Ordinance  
☒ Washington Department of Fish and Wildlife for HPA (Submit 3 copies to WDFW Region) ☒ Programmatic HPA  
☐ Washington Department of Ecology for 401 Water Quality Certification (to Regional Office-Federal Permit Unit)  
☐ Washington Department of Natural Resources for Aquatic Resources Use Authorization Notification  
☒ Corps of Engineers for: ☐ Section 404 ☐ Section 10 permit ☒ Nation Wide Permit #6 – Survey Activities  
☐ Coast Guard for General Bridge Act Permit  
☒ For Department of Transportation projects only: This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementing Agreement

**SECTION A - Use for all permits covered by this application. Be sure to ALSO complete Section C (Signature Block) for all permit applications.**

### 1. APPLICANT

Washington Department of Transportation (Environmental Services Office) – Attention: Gregor Myhr

#### MAILING ADDRESS

310 Maple Park Avenue SE – PO Box 47331

#### WORK PHONE

360-705-7487

#### E-MAIL ADDRESS

#### HOME PHONE

#### FAX #

**If an agent is acting for the applicant during the permit process, complete #2. Be sure agent signs Section C (Signature Block) for all permit applications**

### 2. AUTHORIZED AGENT

#### MAILING ADDRESS

#### WORK PHONE

#### E-MAIL ADDRESS

#### HOME PHONE

#### FAX #

3. RELATIONSHIP OF APPLICANT TO PROPERTY: ☐ OWNER ☐ PURCHASER ☒ LESSEE ☐ OTHER:

4. NAME, ADDRESS, AND PHONE NUMBER OF PROPERTY OWNER(S), IF OTHER THAN APPLICANT:

Use authorized by RCW 47.12.026

5. LOCATION (STREET ADDRESS, INCLUDING CITY, COUNTY AND ZIP CODE, WHERE PROPOSED ACTIVITY EXISTS OR WILL OCCUR)

See Tables 1 and 2

LOCAL GOVERNMENT WITH JURISDICTION (CITY OR COUNTY) Varies by Location

WATERBODY YOU ARE WORKING IN

See Tables 1 and 2

TRIBUTARY OF

Salt water bodies in Washington State

WRIA #

See Tables 1 and 2

IS THIS WATERBODY ON THE 303(d) LIST? YES ☐ NO ☐ Varies

IF YES, WHAT PARAMETER(S)?

[http://www.ecy.wa.gov/programs/wq/links/impaired\\_wtrs.html](http://www.ecy.wa.gov/programs/wq/links/impaired_wtrs.html) WEBSITE FOR 303d LIST

1/4 SECTION SECTION TOWNSHIP (Varies) RANGE GOVERNMENT LOT

SHORELINE DESIGNATION

Varies

LATITUDE & LONGITUDE:

Location Varies

ZONING DESIGNATION

			Varies
TAX PARCEL NO: N/A		DNR STREAM TYPE, IF KNOWN Location varies	

6. DESCRIBE THE CURRENT USE OF THE PROPERTY, AND STRUCTURES EXISTING ON THE PROPERTY. HAVE YOU COMPLETED ANY PORTION OF THE PROPOSED ACTIVITY ON THIS PROPERTY? ☐ YES ☒ NO FOR ANY PORTION OF THE PROPOSED ACTIVITY ALREADY COMPLETED ON THIS PROPERTY, INDICATE MONTH AND YEAR OF COMPLETION.

Each location where sediment investigations will occur is part of the WSDOT/WSF transportation system. Structures on the site may include roadways, bridges, WSF facilities, or other transportation appurtenances.

IS THE PROPERTY AGRICULTURAL LAND? ☐ YES ☒ NO

ARE YOU A USDA PROGRAM PARTICIPANT? ☐ YES ☒ NO

7a. DESCRIBE THE PROPOSED WORK THAT NEEDS AQUATIC PERMITS: COMPLETE PLANS AND SPECIFICATIONS SHOULD BE PROVIDED FOR ALL WORK WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE, INCLUDING TYPES OF EQUIPMENT TO BE USED. IF APPLYING FOR A SHORELINE PERMIT, DESCRIBE ALL WORK WITHIN AND BEYOND 200 FEET OF THE ORDINARY HIGH WATER MARK. IF YOU HAVE PROVIDED ATTACHED MATERIALS TO DESCRIBE YOUR PROJECT, YOU STILL MUST SUMMARIZE THE PROPOSED WORK HERE. ATTACH A SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED.

The proposed work is exploratory soil borings drilled at various saltwater locations throughout the state. Exploratory sediment drilling and investigative sampling will occur to determine sub-surface composition for the purpose of structure design (e.g. bridge and ferry terminal engineering). The type of sampling method used depends on the depth of water, access, and type of sediment information needed. Each collection method is described below:

Augured Samples from a Portable barge: To access offshore areas, samples are taken from a portable work barge. The portable work barge consists of transportable pontoons that are hauled on a trailer and set in the water with a boom truck. Once assembled, drills and equipment are then placed on the barge. The barge is held in position by four anchors that are connected to four winches used for final positioning over the boring location. On sampling projects in deeper water, a truck-mounted drill may be used on large rental barges with the assistance of private tugboat companies for on-site mobilization.

The drilling operation begins by lowering a 4-inch steel casing to the bottom of the water body and rotating it 5 to 10 feet into the sediments to be sampled. The casing provides a sealed chute to use for sediment collection. Next, a 3-inch-diameter test hole is drilled down the center of the 4 inch-diameter casing with a 3-inch drill rod. All the drilling fluids used to lubricate sediments during the drilling procedure are totally contained within the 4-inch casing and recirculated into a tub on the barge. As the fluids move through the tub, all the drill cuttings settle and the fluid is pumped back through the system. All excess fluids and drill cuttings are placed in drums and removed from the site. After the boring is taken, the casing is flushed with clean water and material from inside the casing is collected on the barge. Before the casing is removed, the hole is sealed to within two feet of the surface with bentonite chips and covered with gravel to the surface, per Department of Ecology requirements.

For each drilling activity it is expected that less than a 1/2 cubic yard of material will be removed. The method of removal involves extraction of the substrate via a 4" diameter boring tube inserted to a depth of 10 to 40 feet, depending on substrate composition.

10 to 120 feet *EW 2-19-04*

#### Grab Samples:

The WSDOT geotechnical division does not conduct grab samples. However, the Environmental Sections in WSDOT occasionally take grab samples to evaluate sediments for contaminants including heavy metals and polycyclic aromatic hydrocarbons (PAHs). Grab samples are used to take shallow samples of bottom surface sediments.

Grab samples are usually taken with a small clamshell sampler. The most frequently used sampler measures approximately 6-inches by 6-inches by 6-inches (0.125 cu ft.), but other samplers are used that are slightly larger. The sampler is designed for sampling in soft, finely divided sediments that are free from vegetation and other coarse debris. The samplers have machined jaws and hinged overlapping lids that open easily during descent to let water pass through and close during retrieval to reduce sample wash-out.

#### Vibracoring from a Sampling Vessel

Vibracoring is a reliable, rapid, and low-impact method for collecting subsurface sediment samples for environmental or engineering investigations in nearshore environments. The vibracore system is typically deployed from a 35 to 45 ft long vessel equipped with a power winch as follows:

- The sampling vessel is maneuvered to the sample location.
- The vibracorer and a cleaned core tube (usually a 4 to 6 inch-diameter aluminum core) with core catcher in place are lowered slowly to the seabed. A core catcher is used to prevent loss of the core sample.
- The vibratory device is turned on and the core tube is vibrated into the sediment (typically 10 to 20 ft for most

investigations). In typical conditions the vibrator is actually operating for about 30 seconds up to a couple of minutes at each coring station depending on substrate conditions.

- The core tube and vibracoring device are extracted from the seabed via the winch located on the vessel and slowly brought to the surface.

Vibracoring does not generate cuttings or require drilling fluids or a casing. The small hole left after extraction does not require filling with bentonite. A small amount of turbidity is sometimes generated when the core is extracted from the sediment. This turbidity is generated at the seabed and has been observed to be short-lived and localized in nature. Some turbidity can also be generated if material escapes from the core-catcher, which sometimes occurs during retrieval. This turbidity is also very localized and short-lived.

#### Sediment Sampling Using the MudMole™ Sediment Sampling System

The MudMole™ sediment sampler can be considered to be a hybrid between a vibracorer and an impact corer. The core barrel of the MudMole™ is advanced into the sediment by means of a pneumatically operated hammer operated at about 5 Hz. The hammer is linear, in that approximately 70 percent of the energy is imparted on the downward stroke.

The bottom of each core tube will be fitted with a hinged or spring core catcher to prevent loss of the sediment during extraction. Air to operate the pneumatic corer is provided by an industrial air compressor located on the deck of the sampling vessel. The sampler will be operated by personnel on the sampling vessel in shallow waters, and by a diver in deeper waters.

No underwater sound measurements have been made of the MudMole™ during operation. In deep water, the MudMole™ is operated by a scuba diver. Divers operating the system report that the underwater sound created by the MudMole™ does not create any discomfort and is similar in intensity to heavy traffic (about 80 dB)

The sound generated by the MudMole™ is relatively low frequency likely less than about 1 kHz, which is similar to frequencies created by pile driving operations. Based on diver's perception of sound intensity, it is reasonable to assume that the sound levels created by the operation of the coring system is on the order of 80 dB; however, 80 dB in air is not the same as 80 dB in water. To convert sound in air to sound in water, 62 dB has to be added to the air measurement to correct for the difference in reference pressure levels and sound intensity. Therefore, it is reasonable to assume that sound levels generated from the MudMole™ are on the order of 140 dB re 1 µPa. The core system is run for approximately 5 minutes to collect a typical 10 ft core and about 8 cores per day are collected. Therefore, the total amount of time during a 24-hr period that aquatic organisms would be exposed to sounds generated by the MudMole™ is on the order of 40 minutes.

Recently, the National Oceanographic and Atmospheric Administration (NOAA) Fisheries and the U.S. Fish and Wildlife Service (USFWS) have set a threshold of sound pressure levels greater than 150 dB re 1 µPa as having the potential to effect the behavior of salmonids, and 180 dB re 1 µPa as having the potential to injure juvenile salmonids. Underwater sound levels created by the MudMole™ are not of the same magnitude as levels created by driving steel piles. The analysis above provides a framework for assessing the potential impacts of sound created by the MudMole™. The expected sound levels from the coring operation is about an order of magnitude lower (140 dB vs 150 dB re 1 µPa) than levels that are of potential concern for salmonids and other aquatic organisms and therefore, adverse effects on aquatic organisms are not expected from this activity.

**PREPARATION OF DRAWINGS:** SEE SAMPLE DRAWINGS AND GUIDANCE FOR COMPLETING THE DRAWINGS. **ONE SET OF ORIGINAL OR GOOD QUALITY REPRODUCIBLE DRAWINGS MUST BE ATTACHED.** NOTE: APPLICANTS ARE ENCOURAGED TO SUBMIT PHOTOGRAPHS OF THE PROJECT SITE, BUT THESE DO NOT SUBSTITUTE FOR DRAWINGS. **THE CORPS OF ENGINEERS AND COAST GUARD REQUIRE DRAWINGS ON 8-1/2 X 11 INCH SHEETS. LARGER DRAWINGS MAY BE REQUIRED BY OTHER AGENCIES.**

7b. DESCRIBE THE PURPOSE OF THE PROPOSED WORK AND WHY YOU WANT OR NEED TO PERFORM IT AT THE SITE. PLEASE EXPLAIN ANY SPECIFIC NEEDS THAT HAVE INFLUENCED THE DESIGN.

The proposed work consists of exploratory drilling. The purpose is to gain environmental information (through core sampling) for the project development phase and design of the proposed project in the future. All other activities related to this project will be addressed through a separate permit process.

7c. DESCRIBE THE POTENTIAL IMPACTS TO CHARACTERISTIC USES OF THE WATER BODY. THESE USES MAY INCLUDE FISH AND AQUATIC LIFE, WATER QUALITY, WATER SUPPLY, RECREATION, and AESTHETICS. IDENTIFY PROPOSED ACTIONS TO AVOID, MINIMIZE, AND MITIGATE DETRIMENTAL IMPACTS, AND PROVIDE PROPER PROTECTION OF FISH AND AQUATIC LIFE. IDENTIFY WHICH GUIDANCE DOCUMENTS YOU HAVE USED. ATTACH A SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED.

The potential impacts to characteristic uses of the water body are described below:

Fish, Aquatic Life, and Water Quality: Sediment sampling and grab sampling could generate a small amount of turbidity during placement of the casing during coring, during collection of grab samples, and during vibracoring and use of the MudMole™. Turbidity has been observed to be minor and temporary and does not exceed Washington Department of Ecology Surface Water Quality Standards as outlined in WAC 173-201A. In addition, sediment sampling is short term and occurs infrequently at each site. Therefore, impacts to fish and aquatic life are expected to be minor. The use of best

management practices (BMPs) described below will further reduce and minimize potential impacts to fish and aquatic life.

Water Supply, Recreation, and Aesthetics: Sediment sampling will have no impact on water supply, recreation, or aesthetics.

The proposed actions to avoid and minimize potential impacts are described below:

General BMPs

- Drilling equipment shall be checked daily, well-maintained, and kept in good repair to prevent the lubricants, grease, and any other deleterious materials from entering the state waters.
- Prior to commencing with drilling and testing on all projects the crew will have in place proper spill and containment measures.
- For all over water work the crew on all projects will have a copy of the Hydraulic Project Approval (HPA) issued by the Washington Department of Fish and Wildlife. The crew and supervisor will be made aware of and understand the requirements of the HPA.
- Eelgrass and kelp beds shall be protected from adverse affects caused by project activities by: not grounding barges or vessels in eelgrass and kelp beds, and not leavings barges anchored over or adjacent to eelgrass or kelp beds for longer than 3 days.

BMPs Specific to Auguring

- During auguring where a casing is used, all water and drilling fluids (e.g., bentonite, or other mud additives) used in drilling operations will be fully contained to the immediate location of the drill hole. No mixing of processed water and surface waters will take place. In addition, the contractor will have absorbent materials for use under the drill in case of drips and oil booms onboard the barge in the unlikely event of a spill.
- At the completion of each augured boring, the hole will be sealed, as required by state law. All waste material such as drill spoils and cutting, construction debris, silt, excess dirt, excess gravel, or overburden will be deposited above the limits of ordinary high water (OHW) in an upland site with appropriate regulatory approval.

BMPs Specific to Vibracore and MudMole™ Methods

- Vibracore and Mudmole™ sampling may occur year round waterward of the -10 ft mean lower low water (MLLW) elevation and/or greater than 50 feet from the water's edge at any water level for the protection of migrating juvenile salmon. Sampling shoreward of -10 ft MLLW and/or less than 50 feet from the water's edge shall only occur from July 1 through February 15 of the following year.

7d. FOR IN WATER CONSTRUCTION WORK, WILL YOUR PROJECT BE IN COMPLIANCE WITH THE STATE OF WASHINGTON WATER QUALITY STANDARDS FOR TURBIDITY

WAC 173.201A-110? ☒ YES ☐ NO (SEE USEFUL DEFINITIONS AND INSTRUCTIONS)

8. WILL THE PROJECT BE CONSTRUCTED IN STAGES?

☐ YES ☒ NO

PROPOSED STARTING DATE: At HPA issuance

ESTIMATED DURATION OF ACTIVITY: Sediment sampling is usually completed in less than 1 to 2 days per boring, depending on the depth of the boring. Some large-scale projects may take up to several weeks to complete.

9. CHECK IF ANY TEMPORARY OR PERMANENT STRUCTURES WILL BE PLACED: No structures will be placed in marine waters.

☐ WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE FOR FRESH OR TIDAL WATERS; AND/OR

☐ WATERWARD OF MEAN HIGHER HIGH WATER LINE IN TIDAL WATERS

10. WILL FILL MATERIAL (ROCK, FILL, BULKHEAD, OR OTHER MATERIAL) BE PLACED: A very small volume of material will be used to fill boring holes created by the auguring method as required by the Washington Department of Ecology

☐ WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE FOR FRESH WATERS?

IF YES, VOLUME (CUBIC YARDS) \_\_\_\_\_ / AREA \_\_\_\_\_ (ACRES)

☒ WATERWARD OF THE MEAN HIGHER HIGH WATER FOR TIDAL WATERS?

IF YES, VOLUME (CUBIC YARDS) 5 cy AREA \_\_\_\_\_ (ACRES)

11. WILL MATERIAL BE PLACED IN WETLANDS? ☐ YES ☒ NO  
 IF YES:  
 A. IMPACTED AREA IN ACRES:  
 B. HAS A DELINEATION BEEN COMPLETED? IF YES, PLEASE SUBMIT WITH APPLICATION. ☐ YES ☐ NO  
 C. HAS A WETLAND REPORT BEEN PREPARED? IF YES, PLEASE SUBMIT WITH APPLICATION. ☐ YES ☐ NO  
 D. TYPE AND COMPOSITION OF FILL MATERIAL (E.G., SAND, ETC.):  
 E. MATERIAL SOURCE:  
 F. LIST ALL SOIL SERIES (TYPE OF SOIL) LOCATED AT THE PROJECT SITE, & INDICATE IF THEY ARE ON THE COUNTY'S LIST OF HYDRIC SOILS. SOILS INFORMATION CAN BE OBTAINED FROM THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS):  
 G. WILL PROPOSED ACTIVITY CAUSE FLOODING OR DRAINING OF WETLANDS? ☐ YES ☒ NO  
 IF YES, IMPACTED AREA IS \_\_\_\_ ACRES OF DRAINED WETLANDS.

NOTE: If your project will impact greater than 1/2 of an acre of wetland, submit a mitigation plan to the Corps and Ecology for approval along with the JARPA form  
 NOTE: a 401 water quality certification will be required from Ecology in addition to an approved mitigation plan if your project impacts wetlands that are: a) greater than 1/2 acre in size, or b) tidal wetlands or wetlands adjacent to tidal water. Please submit the JARPA form and mitigation plan to Ecology for an individual 401 certification if a) or b) applies.

12. STORMWATER COMPLIANCE FOR NATIONWIDE PERMITS ONLY: N/A  
 THIS PROJECT IS (OR WILL BE) DESIGNED TO MEET ECOLOGY'S MOST CURRENT STORMWATER MANUAL, OR AN ECOLOGY APPROVED LOCAL STORMWATER MANUAL ☐ YES ☐ NO  
 IF YES - WHICH MANUAL WILL YOUR PROJECT BE DESIGNED TO MEET \_\_\_\_\_  
 IF NO - FOR CLEAN WATER ACT SECTION 401 AND 404 PERMITS ONLY - PLEASE SUBMIT TO ECOLOGY FOR APPROVAL, ALONG WITH THIS JARPA APPLICATION, DOCUMENTATION THAT DEMONSTRATES THE STORMWATER RUNOFF FROM YOUR PROJECT OR ACTIVITY WILL COMPLY WITH THE WATER QUALITY STANDARDS, WAC 173.201(A)

13. WILL EXCAVATION OR DREDGING BE REQUIRED IN WATER OR WETLANDS? ☒ YES ☐ NO  
 IF YES:  
 A. VOLUME: (CUBIC YARDS) / AREA (ACRES): One 80-foot deep boring yields approximately one 55-gallon drum of sediment and fluids.  
 B. COMPOSITION OF MATERIAL TO BE REMOVED Marine sediments  
 C. DISPOSAL SITE FOR EXCAVATED MATERIAL: All material will be deposited offsite at an approved upland location  
 D. METHOD OF DREDGING: This activity does not involve dredging.

14. HAS THE STATE ENVIRONMENTAL POLICY ACT (SEPA) BEEN COMPLETED? ☒ YES ☐ NO  
 SEPA LEAD AGENCY: WSDOT SEPA DECISION: DNS, MDNS, EIS, ADOPTION, EXEMPTION DECISION DATE (END OF COMMENT PERIOD): \_\_\_\_\_  
 SUBMIT A COPY OF YOUR SEPA DECISION LETTER TO WDFW AS REQUIRED FOR A COMPLETE APPLICATION

15. LIST OTHER APPLICATIONS, APPROVALS, OR CERTIFICATIONS FROM OTHER FEDERAL, STATE OR LOCAL AGENCIES FOR ANY STRUCTURES, CONSTRUCTION, DISCHARGES, OR OTHER ACTIVITIES DESCRIBED IN THE APPLICATION (I.E., PRELIMINARY PLAT APPROVAL, HEALTH DISTRICT APPROVAL, BUILDING PERMIT, SEPA REVIEW, FEDERAL ENERGY REGULATORY COMMISSION LICENSE (FERC), FOREST PRACTICES APPLICATION, ETC.) ALSO INDICATE WHETHER WORK HAS BEEN COMPLETED AND INDICATE ALL EXISTING WORK ON DRAWINGS.  
 NOTE: FOR USE WITH CORPS NATIONWIDE PERMITS, IDENTIFY WHETHER YOUR PROJECT HAS OR WILL NEED AN NPDES PERMIT FOR DISCHARGING WASTEWATER AND/OR STORMWATER.

TYPE OF APPROVAL	ISSUING AGENCY	IDENTIFICATION NO.	DATE OF APPLICATION	DATE APPROVED	COMPLETED?
Nationwide Permit 6	U.S. Army Corps of Engineers		Ongoing		No

16. HAS ANY AGENCY DENIED APPROVAL FOR THE ACTIVITY YOU'RE APPLYING FOR OR FOR ANY ACTIVITY DIRECTLY RELATED TO THE ACTIVITY DESCRIBED HEREIN? ☐ YES ☒ NO IF YES, EXPLAIN:

**SECTION B - Use for Shoreline and Corps of Engineers permits only:**

17a. TOTAL COST OF PROJECT. THIS MEANS THE FAIR MARKET VALUE OF THE PROJECT, INCLUDING MATERIALS, LABOR, MACHINE RENTALS, ETC.  
Varies by location

17b. IF A PROJECT OR ANY PORTION OF A PROJECT RECEIVES FUNDING FROM A FEDERAL AGENCY, THAT AGENCY IS RESPONSIBLE FOR ESA CONSULTATION. PLEASE INDICATE IF YOU WILL RECEIVE FEDERAL FUNDS AND WHAT FEDERAL AGENCY IS PROVIDING THOSE FUNDS. SEE INSTRUCTIONS FOR INFORMATION ON ESA\*\*  
 FEDERAL FUNDING ☐ YES ☐ NO IF YES, PLEASE LIST THE FEDERAL AGENCY Varies by project and location

18. LOCAL GOVERNMENT WITH JURISDICTION:  
Varies by project and location

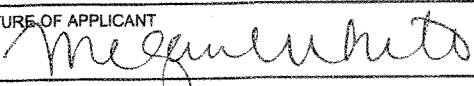
19. FOR CORPS, COAST GUARD, AND DNR PERMITS, PROVIDE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF ADJOINING PROPERTY OWNERS, LESSEES, ETC...  
 PLEASE NOTE: SHORELINE MANAGEMENT COMPLIANCE MAY REQUIRE ADDITIONAL NOTICE - CONSULT YOUR LOCAL GOVERNMENT.

NAME	ADDRESS	PHONE NUMBER

--	--	--

**SECTION C - This section *MUST* be completed for any permit covered by this application**

20. APPLICATION IS HEREBY MADE FOR A PERMIT OR PERMITS TO AUTHORIZE THE ACTIVITIES DESCRIBED HEREIN. I CERTIFY THAT I AM FAMILIAR WITH THE INFORMATION CONTAINED IN THIS APPLICATION, AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, SUCH INFORMATION IS TRUE, COMPLETE, AND ACCURATE. I FURTHER CERTIFY THAT I POSSESS THE AUTHORITY TO UNDERTAKE THE PROPOSED ACTIVITIES. I HEREBY GRANT TO THE AGENCIES TO WHICH THIS APPLICATION IS MADE, THE RIGHT TO ENTER THE ABOVE-DESCRIBED LOCATION TO INSPECT THE PROPOSED, IN-PROGRESS OR COMPLETED WORK. I AGREE TO START WORK ONLY AFTER ALL NECESSARY PERMITS HAVE BEEN RECEIVED.

SIGNATURE OF APPLICANT 	DATE 11/28/04
SIGNATURE OF AUTHORIZED AGENT	DATE
I HEREBY DESIGNATE TO ACT AS MY AGENT IN MATTERS RELATED TO THIS APPLICATION FOR PERMIT(S). I UNDERSTAND THAT IF A FEDERAL PERMIT IS ISSUED, I MUST SIGN THE PERMIT.	
SIGNATURE OF APPLICANT	DATE
SIGNATURE OF LANDOWNER (EXCEPT PUBLIC ENTITY LANDOWNERS, E.G. DNR)	
THIS APPLICATION <u>MUST</u> BE SIGNED BY THE APPLICANT AND THE AGENT, IF AN AUTHORIZED AGENT IS DESIGNATED.	

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

**COMPLETED BY LOCAL OFFICIAL**

- A. Nature of the existing shoreline. (Describe type of shoreline, such as marine, stream, lake, lagoon, marsh, bog, swamp, flood plain, floodway, delta; type of beach, such as accretion, erosion, high bank, low bank, or dike; material such as sand, gravel, mud, clay, rock, riprap; and extent and type of bulkheading, if any)
- B. In the event that any of the proposed buildings or structures will exceed a height of thirty-five feet above the average grade level, indicate the approximate location of and number of residential units, existing and potential, that will have an obstructed view:
- C. If the application involves a conditional use or variance, set forth in full that portion of the master program which provides that the proposed use may be a conditional use, or, in the case of a variance, from which the variance is being sought:

These Agencies are Equal Opportunity and Affirmative Action employers.  
For special accommodation needs, please contact the appropriate agency in the instructions.

Table 1. Washington State Ferries Terminal Information

Terminal/County	Section, Township, Range	Latitude and Longitude (if known)	Waterbody	Shoreline Designation/ Zoning Designation	WRIA
Anacortes/Skagit County	22, 35 N, 01E	48° 30' 26" N; 122° 40' 30" W	Guemes Channel	Urban II/ Commercial Marine	03 MARI
Bainbridge/Kitsap County	26, 25 N, 02E	47° 37' 21" N; 122° 30" W	Eagle Harbor	Ferry Terminal District/ Ferry Terminal District	15 MARI
Bremerton/Kitsap County	24, 24N, 01E	47° 33' 44" N; 122° 37' 23" W	Sinclair Inlet	Downtown Waterfront Upland/ Urban Renewal District	15 MARI
Clinton/Island County	30, 29N, 04E	47° 58' 30" N; 122° 21' 11" W	Possession Sound	Urban/ State Highway Right of Way	06 MARI
Eagle Harbor/Kitsap County	26, 25N, 02E	47° 37' 16" N; 122° 30' 47" W	Eagle Harbor	Urban Environment/ Ferry Terminal District	15 MARI
Edmonds/Snohomish County	23, 27N, 03E	47° 48' 47" N; 122° 23' 04" W	Possession Sound	Urban Marine/ Ferry Right of Way	08 MARI
Fauntleroy/King County	35, 24 N, 03E	47° 31' 24" N; 122° 23' 37" W	Fauntleroy Cove	Urban Residential/SF	09 MARI
Friday Harbor/San Juan County	13, 35N, 03W	48° 32' 10" N; 123° 00' 50" W	San Juan Channel	Urban/Commercial	02 MARI
Keystone/Island County	22, 31N, 01E	48° 09' 33" N; 122° 40' 14" W	Admiralty Inlet	Urban/Park	06 MARI
Kingston/Kitsap County	25, 27N, 02E	47° 47' 36" N; 122° 24' 44" W	Appletree Cove	Urban/ Public Facility	15 MARI
Lopez/San Juan County	36, 36N, 02W	48° 34' 13" N; 122° 51' 35" W	Harney Channel	Conservancy/ Rural General	02 MARI
Mukilteo/Snohomish County	04, 28N, 04E	47° 57' 00" N; 122° 18' 12" W	Possession Sound	Downtown Business/ Downtown Business	08 MARI
Orcas/ San Juan County	22, 36N, 02W	48° 35' 51" N; 122° 56' 33" W	Harney Channel	Urban/Village	02 MARI
Point Defiance/Pierce County	14, 21N, 02E	47° 18' 22" N; 122° 30' 46" W	Dalco Passage	Conservancy/S-5	12 MARI
Port Townsend/Jefferson County	11, 30N, 01W	48° 06' 50" N; 122° 45' 62" W	Port Townsend Bay	Urban/Aquatic Designation/no zoning designation	17 MARI
Seattle/King County	06, 24N, 04E	47° 36' 9" N; 122° 20' 17" W	Elliot Bay	Urban Harborfront (UH)/DH1/45	08 MARI
Shaw/San Juan County	27, 36N, 02W	48° 35' 87" N; 122° 55' 40" W	Harney Channel	Rural/Rural Farm Forest	02 MARI
Southworth/Kitsap County	01, 23 N, 02E	47° 30' 46" N; 122° 29' 42" W	Colvos Passage	Rural/Residential Rural	15 MARI
Tahlequah/King County	02, 21N, 02E	47° 20' 2" N; 122° 30' 29" W	Dalco Passage	Rural/RA 2.5	15 MARI
Vashon/King County	06, 23 N, 03E	47° 30' 32" N; 122° 27' 46" W	Admiralty Inlet	Conservancy/RA-5	15 MARI

Table 2. WSDOT Salt and Brackish Water Bridge Crossings

Bridge Name	County/WRIA	WRIAs in County
Creek	Cllallum	17, 18, 19, 20
W TWIN R		
BULLMAN CR.		
SEKIU RIVER BR.		
WISHKAH R. HERON	Grays Harbor	22, 23
WRECK CR.		
HOQUIAM R-SIMPSON		
WISHKAH R.		
CHAPIN CR		
STAFFORD CR		
INDIAN CR		
CAMPBELL CR		
MILL CR		
JESSIE SL		
COPALIS R		
JOHNS R		
JOE CR		
CHEHALIS R.		
NEWSKAH CR		
SOUTH BAY - ELK RIVER		
GILLIS SL		
HUMPTULIPS R		
CONNER CR		
MOCLIPS R		
GRASS CR		
CHENOIS CR		
LITTLE HOQUIAM R		
HOQUIAM R-RIVERSIDE		
FULTON CR	Jefferson County	16, 17, 18, 19, 20
KALALOECH CR		
DUCKABUSH SL		
SNOW CR		
HOOD CANAL-W.A. BUGGE BR		
PORTAGE CANAL		
LAKE WASH SHIP CANAL		
DUWAMISH RIVER	King	8, 9, 10
WETLAND MIT. CHANNEL		
MANETTE BRIDGE	Kitsap County	15
AGATE PASS		
BLACKJACK CR		
PORT WASHINGTON		
HOOD CANAL-W.A. BUGGE BR		
DOGFISH BAY BR		
GORST CREEK BRIDGE		
GORST CREEK		
N HAMMA HAMMA R	Mason County	14, 16, 22
S HAMMA HAMMA R		
LILLIWAUP R		
CUSHMAN PROJECT		
EAGLE CR		
SHERWOOD CR		
COULTER CR		

KENNEDY CR		
KENNEDY CR		
WAKETICKEH CRK		
JORSTED CREEK BRIDGE		
CHINOOK R	Pacific	22, 23, 25
GREENHEAD SL		
TEAL SL		
BONE R		
JORGENSEN SL		
TIDE SL		
BEAR R		
SMITH CR		
NORTH R		
COLUMBIA R MEGLER		
COLUMBIA R - MEGLER (A)		
COLUMBIA R - MEGLER (B)		
COLUMBIA R - MEGLER (C)		
S FK WILLAPA RIVER		
STUART SL		
CARRUTHERS SL		
POTTERS SL		
WALLICUT R		
WALLICUT R		
WALLICUT R		
SKIDMORE SLOUGH		
NASELLE RIVER		
PALIX R.		
NIAWIAKUM RIVER		
NORTH FORK WILLAPA RIVER		
NORTH NEMAH RIVER		
CREEK		
CREEK		
DRAINAGE RELIEF CULV		
PURDY BR	Pierce County	11, 12, 13
TACOMA NARROWS		
MURRAY MORGAN BR		
PUYALLUP R RR SR 167 OC		
BN RR OC (GN) BLANCHARD	Skagit County	3, 4
CANOE PASS		
HIGGENS SLOUGH		
GAGES SLOUGH		
GAGES SLOUGH		
BATEY SL		
SWINOMISH-D BERENTSON BR		
SWINOMISH-D BERENTSON BR		
SNOHOMISH R CS3114	Snohomish	7
UNION SL		
STEAMBOAT SL CS3115		
EBEY SLOUGH CS3116		
DAVIS SL		
GEN MARK W. CLARK MEM BR		
EBEY SL BN RY SR 529		
SNOHOMISH R		
STEAMBOAT SL		
UNION SL		

EBEY SLOUGH BRIDGE		
EBEY-W RAMP AL RAMP		
W-EBEY RAMP DL RAMP		
UNION SLOUGH		
UNION SLOUGH		
STEAMBOAT SLOUGH		
STEAMBOAT SLOUGH		
SNOHOMISH R BN RR		
SNOHOMISH R BN RR		
SNOHOMISH RIVER BRIDGE		
EBEY ISLAND VIADUCT		
HOME ACRES RD		
EBEY SL BN RY SR 529		
EBEY SLOUGH BRIDGE		
HA LINE OVER DEADWATER		
DEADWATER SL BR		
EBEY SLOUGH		
QUILCEDA CREEK		
SNOHOMISH RIVER		
EBEY ISLAND VIADUCT		
E-S RAMP		
CAPITOL LAKE	Thurston	11, 13, 14, 22, 23
MUD BAY		
MUD BAY		
PERRY CR		
PERRY CR		
MCALLISTER CR		
MCALLISTER CR		
MCALLISTER CR		
MCALLISTER CR		
JULIA BUTLER HANSEN BR	Wahkiakum	25
SKAMOKAWA CR		
BIRNIE SL		
DAKOTA CR	Whatcom	1
DAKOTA CR		
DAKOTA CR		
CALIFORNIA CR		

Table 1. Washington State Ferries Terminal Information

Terminal/County	Section, Township, Range	Latitude and Longitude (if known)	Waterbody	Shoreline Designation/ Zoning Designation	WRIA
Anacortes/Skagit County	22, 35 N, 01E	48° 30' 26" N; 122° 40' 30" W	Guemes Channel	Urban II/ Commercial Marine	03 MARI
Bainbridge/Kitsap County	26, 25 N, 02E	47° 37' 21" N; 122° 30" W	Eagle Harbor	Ferry Terminal District/ Ferry Terminal District	15 MARI
Bremerton/Kitsap County	24, 24N, 01E	47° 33' 44" N; 122° 37' 23" W	Sinclair Inlet	Downtown Waterfront Upland/ Urban Renewal District	15 MARI
Clinton/Island County	30, 29N, 04E	47° 58' 30" N; 122° 21' 11" W	Possession Sound	Urban/ State Highway Right of Way	06 MARI
Eagle Harbor/Kitsap County	26, 25N, 02E	47° 37' 16" N; 122° 30' 47" W	Eagle Harbor	Urban Environment/ Ferry Terminal District	15 MARI
Edmonds/Snohomish County	23, 27N, 03E	47° 48' 47"N; 122° 23' 04" W	Possession Sound	Urban Marine/ Ferry Right of Way	08 MARI
Fauntleroy/King County	35, 24 N, 03E	47° 31' 24"N; 122° 23' 37" W	Fauntleroy Cove	Urban Residential/SF	09 MARI
Friday Harbor/San Juan County	13, 35N, 03W	48° 32' 10" N; 123° 00' 50" W	San Juan Channel	Urban/Commercial	02 MARI
Keystone/Island County	22, 31N, 01E	48° 09' 33" N; 122° 40' 14" W	Admiralty Inlet	Urban/Park	06 MARI
Kingston/Kitsap County	25, 27N, 02E	47° 47' 36" N; 122° 24' 44" W	Appletree Cove	Urban/ Public Facility	15 MARI
Lopez/San Juan County	36, 36N, 02W	48° 34' 13" N; 122° 51' 35" W	Harney Channel	Conservancy/ Rural General	02 MARI
Mukilteo/Snohomish County	04, 28N, 04E	47° 57' 00" N; 122° 18' 12" W	Possession Sound	Downtown Business/ Downtown Business	08 MARI
Orcas/ San Juan County	22, 36N, 02W	48° 35' 51" N; 122° 56' 33" W	Harney Channel	Urban/Village	02 MARI
Point Defiance/Pierce County	14, 21N, 02E	47° 18' 22" N; 122° 30' 46" W	Dalco Passage	Conservancy/S-5	12 MARI
Port Townsend/Jefferson County	11, 30N, 01W	48° 06' 50" N; 122° 45' 62" W	Port Townsend Bay	Urban/Aquatic Designation/no zoning designation	17 MARI
Seattle/King County	06, 24N, 04E	47° 36' 9" N; 122° 20' 17" W	Elliot Bay	Urban Harborfront (UH)/DH1/45	08 MARI
Shaw/San Juan County	27, 36N, 02W	48° 35' 87" N; 122° 55' 40" W	Harney Channel	Rural/Rural Farm Forest	02 MARI
Southworth/Kitsap County	01, 23 N, 02E	47° 30' 46" N; 122° 29' 42" W	Colvos Passage	Rural/Residential Rural	15 MARI
Tahlequah/King County	02, 21N, 02E	47° 20' 2" N; 122° 30' 29" W	Dalco Passage	Rural/RA 2.5	15 MARI
Vashon/King County	06, 23 N, 03E	47° 30' 32" N; 122° 27' 46" W	Admiralty Inlet	Conservancy/RA-5	15 MARI

Table 2. WSDOT Salt and Brackish Water Bridge Crossings

Bridge Name	County/WRIA	WRIAs in County
Creek	Clallum	17, 18, 19, 20
W TWIN R		
BULLMAN CR.		
SEKIU RIVER BR.		
WISHKAH R. HERON	Grays Harbor	22, 23
WRECK CR.		
HOQUIAM R-SIMPSON		
WISHKAH R.		
CHAPIN CR		
STAFFORD CR		
INDIAN CR		
CAMPBELL CR		
MILL CR		
JESSIE SL		
COPALIS R		
JOHNS R		
JOE CR		
CHEHALIS R.		
NEWSKAH CR		
SOUTH BAY - ELK RIVER		
GILLIS SL		
HUMPTULIPS R		
CONNER CR		
MOCLIPS R		
GRASS CR		
CHENOIS CR		
LITTLE HOQUIAM R		
HOQUIAM R-RIVERSIDE		
FULTON CR	Jefferson County	16, 17, 18, 19, 20
KALALOE CR		
DUCKABUSH SL		
SNOW CR		
HOOD CANAL-W.A. BUGGE BR		
PORTAGE CANAL		
LAKE WASH SHIP CANAL		
DUWAMISH RIVER	King	8, 9, 10
WETLAND MIT. CHANNEL		
MANETTE BRIDGE	Kitsap County	15
AGATE PASS		
BLACKJACK CR		
PORT WASHINGTON		
HOOD CANAL-W.A. BUGGE BR		
DOGFISH BAY BR		
GORST CREEK BRIDGE		
GORST CREEK		
N HAMMA HAMMA R	Mason County	14, 16, 22
S HAMMA HAMMA R		
LILLIWAUP R		
CUSHMAN PROJECT		
EAGLE CR		
SHERWOOD CR		
COULTER CR		

KENNEDY CR		
KENNEDY CR		
WAKETICKEH CRK		
JORSTED CREEK BRIDGE		
CHINOOK R	Pacific	22, 23, 25
GREENHEAD SL		
TEAL SL		
BONE R		
JORGENSEN SL		
TIDE SL		
BEAR R		
SMITH CR		
NORTH R		
COLUMBIA R MEGLER		
COLUMBIA R - MEGLER (A)		
COLUMBIA R - MEGLER (B)		
COLUMBIA R - MEGLER (C)		
S FK WILLAPA RIVER		
STUART SL		
CARRUTHERS SL		
POTTERS SL		
WALLICUT R		
WALLICUT R		
WALLICUT R		
SKIDMORE SLOUGH		
NASELLE RIVER		
PALIX R.		
NIAWIAKUM RIVER		
NORTH FORK WILLAPA RIVER		
NORTH NEMAH RIVER		
CREEK		
CREEK		
DRAINAGE RELIEF CULV		
PURDY BR	Pierce County	11, 12, 13
TACOMA NARROWS		
MURRAY MORGAN BR		
PUYALLUP R RR SR 167 OC		
BN RR OC (GN) BLANCHARD	Skagit County	3, 4
CANOE PASS		
HIGGENS SLOUGH		
GAGES SLOUGH		
GAGES SLOUGH		
BATEY SL		
SWINOMISH-D BERENTSON BR		
SWINOMISH-D BERENTSON BR		
SNOHOMISH R CS3114	Snohomish	7
UNION SL		
STEAMBOAT SL CS3115		
EBEY SLOUGH CS3116		
DAVIS SL		
GEN MARK W. CLARK MEM BR		
EBEY SL BN RY SR 529		
SNOHOMISH R		
STEAMBOAT SL		
UNION SL		

EBEY SLOUGH BRIDGE		
EBEY-W RAMP AL RAMP		
W-EBEY RAMP DL RAMP		
UNION SLOUGH		
UNION SLOUGH		
STEAMBOAT SLOUGH		
STEAMBOAT SLOUGH		
SNOHOMISH R BN RR		
SNOHOMISH R BN RR		
SNOHOMISH RIVER BRIDGE		
EBEY ISLAND VIADUCT		
HOME ACRES RD		
EBEY SL BN RY SR 529		
EBEY SLOUGH BRIDGE		
HA LINE OVER DEADWATER		
DEADWATER SL BR		
EBEY SLOUGH		
QUILCEDA CREEK		
SNOHOMISH RIVER		
EBEY ISLAND VIADUCT		
E-S RAMP		
CAPITOL LAKE	Thurston	11, 13, 14, 22, 23
MUD BAY		
MUD BAY		
PERRY CR		
PERRY CR		
MCALLISTER CR		
MCALLISTER CR		
MCALLISTER CR		
MCALLISTER CR		
JULIA BUTLER HANSEN BR	Wahkiakum	25
SKAMOKAWA CR		
BIRNIE SL		
DAKOTA CR	Whatcom	1
DAKOTA CR		
DAKOTA CR		
CALIFORNIA CR		

EBEY SLOUGH BRIDGE		
EBEY-W RAMP AL RAMP		
W-EBEY RAMP DL RAMP		
UNION SLOUGH		
UNION SLOUGH		
STEAMBOAT SLOUGH		
STEAMBOAT SLOUGH		
SNOHOMISH R BN RR		
SNOHOMISH R BN RR		
SNOHOMISH RIVER BRIDGE		
EBEY ISLAND VIADUCT		
HOME ACRES RD		
EBEY SL BN RY SR 529		
EBEY SLOUGH BRIDGE		
HA LINE OVER DEADWATER		
DEADWATER SL BR		
EBEY SLOUGH		
QUILCEDA CREEK		
SNOHOMISH RIVER		
EBEY ISLAND VIADUCT		
E-S RAMP		
CAPITOL LAKE	Thurston	11, 13, 14, 22, 23
MUD BAY		
MUD BAY		
PERRY CR		
PERRY CR		
MCALLISTER CR		
MCALLISTER CR		
MCALLISTER CR		
MCALLISTER CR		
JULIA BUTLER HANSEN BR	Wahkiakum	25
SKAMOKAWA CR		
BIRNIE SL		
DAKOTA CR	Whatcom	1
DAKOTA CR		
DAKOTA CR		
CALIFORNIA CR		

KENNEDY CR		
KENNEDY CR		
WAKETICKEH CRK		
JORSTED CREEK BRIDGE		
CHINOOK R	Pacific	22, 23, 25
GREENHEAD SL		
TEAL SL		
BONE R		
JORGENSEN SL		
TIDE SL		
BEAR R		
SMITH CR		
NORTH R		
COLUMBIA R MEGLER		
COLUMBIA R - MEGLER (A)		
COLUMBIA R - MEGLER (B)		
COLUMBIA R - MEGLER (C)		
S FK WILLAPA RIVER		
STUART SL		
CARRUTHERS SL		
POTTERS SL		
WALLICUT R		
WALLICUT R		
WALLICUT R		
SKIDMORE SLOUGH		
NASELLE RIVER		
PALIX R.		
NIAWIAKUM RIVER		
NORTH FORK WILLAPA RIVER		
NORTH NEMAH RIVER		
CREEK		
CREEK		
DRAINAGE RELIEF CULV		
PURDY BR	Pierce County	11, 12, 13
TACOMA NARROWS		
MURRAY MORGAN BR		
PUYALLUP R RR SR 167 OC		
BN RR OC (GN) BLANCHARD	Skagit County	3, 4
CANOE PASS		
HIGGINS SLOUGH		
GAGES SLOUGH		
GAGES SLOUGH		
BATEY SL		
SWINOMISH-D BERENTSON BR		
SWINOMISH-D BERENTSON BR		
SNOHOMISH R CS3114	Snohomish	7
UNION SL		
STEAMBOAT SL CS3115		
EBEY SLOUGH CS3116		
DAVIS SL		
GEN MARK W. CLARK MEM BR		
EBEY SL BN RY SR 529		
SNOHOMISH R		
STEAMBOAT SL		
UNION SL		